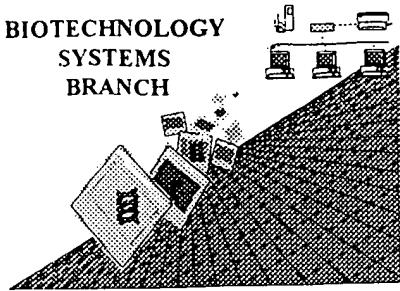


0420

02-16-01

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/766,535
Source: OTPE
Date Processed by STIC: 2-7-2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING DATE: 02/07/2001
PATENT APPLICATION: US/09/766,535 TIME: 16:04:32

Input Set : A:\0975.1005-010SEQLIST.txt
Output Set: N:\CRF3\02072001\I766535.raw

4 <110> APPLICANT: Junming Le
5 Jan Vilcek
6 Peter Daddona
7 John Ghayeb
8 David M. Knight
9 Scott Siegel
11 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
12 Human Tumor Necrosis Factor
15 <130> FILE REFERENCE: 0975.1005-010
C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/766,535
C--> 17 <141> CURRENT FILING DATE: 2001-01-18
17 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
18 <151> PRIOR FILING DATE: 1998-08-12
20 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
21 <151> PRIOR FILING DATE: 1995-12-11
23 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
24 <151> PRIOR FILING DATE: 1994-10-18
26 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
27 <151> PRIOR FILING DATE: 1994-02-04
29 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
30 <151> PRIOR FILING DATE: 1994-02-04
32 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
33 <151> PRIOR FILING DATE: 1994-02-04
35 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
36 <151> PRIOR FILING DATE: 1993-01-29
38 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
39 <151> PRIOR FILING DATE: 1993-02-02
41 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
42 <151> PRIOR FILING DATE: 1992-09-11
44 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
45 <151> PRIOR FILING DATE: 1992-03-18
47 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
48 <151> PRIOR FILING DATE: 1991-03-18
50 <160> NUMBER OF SEQ ID NOS: 19
52 <170> SOFTWARE: FastSEQ for Windows Version 4.0
54 <210> SEQ ID NO: 1
55 <211> LENGTH: 157
56 <212> TYPE: PRT
57 <213> ORGANISM: Peptide
59 <400> SEQUENCE: 1
must be 1 of t
60 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His V
61 1 5 10 15
62 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg A
63 20 25 30
64 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln L
65 35 40 45
66 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu P

Version 4.0
must be 1 of the following:
1) scientific name "Genus Species"
2) Artificial Sequence
3) Unknown

see item 12 on
EX-10.1 SUMMARY SHEET

RAW SEQUENCE LISTING DATE: 02/07/2001
 PATENT APPLICATION: US/09/766,535 TIME: 16:04:32

Input Set : A:\0975.1005-010SEQLIST.txt
 Output Set: N:\CRF3\02072001\I766535.raw

67 50 55 60
 68 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
 69 65 70 75 80
 70 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
 71 85 90 95
 72 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
 73 100 105 110
 74 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
 75 115 120 125
 76 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
 77 130 135 140
 78 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
 79 145 150 155
 82 <210> SEQ ID NO: 2
 83 <211> LENGTH: 321
 84 <212> TYPE: DNA
 85 <213> ORGANISM: cDNA *see page 1 start range at 1*
 87 <220> FEATURE:
 88 <221> NAME/KEY: CDS
 W--> 89 <222> LOCATION: (0..(321)
 91 <400> SEQUENCE: 2
 92 gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga 48
 93 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
 94 1 5 10 15
 96 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc 96
 97 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
 98 20 25 30
 100 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata 144
 101 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Ile
 102 35 40 45
 104 aag tat gct gag tct atg tct ggg atc cct tcc agg ttt agt ggc 192
 105 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
 106 50 55 60
 108 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct 240
 109 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
 110 65 70 75 80
 112 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc 288
 113 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
 114 85 90 95
 116 acg ttc ggc tcg ggg aca aat ttg gaa gta aaa 321
 117 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
 118 100 105
 121 <210> SEQ ID NO: 3
 122 <211> LENGTH: 107
 123 <212> TYPE: PRT
 124 <213> ORGANISM: Protein
 126 <400> SEQUENCE:
 127 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
 128 1 5 10 15

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/766,535

DATE: 02/07/2001
TIME: 16:04:32

Input Set : A:\0975.1005-010SEQLIST.txt
Output Set: N:\CRF3\02072001\I766535.raw

129 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
130 20 25 30
131 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
132 35 40 45
133 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
134 50 55 60
135 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
136 65 70 75 80
137 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
138 85 90 95
139 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
140 100 105
143 <210> SEQ ID NO: 4
144 <211> LENGTH: 357
145 <212> TYPE: DNA
146 <213> ORGANISM: cDNA
148 <220> FEATURE:
149 <221> NAME/KEY: CDS
W--> 150 <222> LOCATION: (0) ...(357)
152 <400> SEQUENCE: 4
153 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48
154 Glu Val Lys Leu Glu Ser Gly Gly Leu Val Gln Pro Gly Gly
155 1 5 10 15
157 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
158 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
159 20 25 30
161 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
162 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
163 35 40 45
165 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192
166 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
167 50 55 60
169 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240
170 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
171 65 70 75 80
173 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
174 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
175 85 90 95
177 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336
178 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
179 100 105 110
181 ggc acc act ctc aca gtc tcc
182 Gly Thr Thr Leu Thr Val Ser
183 115
186 <210> SEQ ID NO: 5
187 <211> LENGTH: 119
188 <212> TYPE: PRT
189 <213> ORGANISM: Protein
191 <400> SEQUENCE: 5

see page 1

RAW SEQUENCE LISTING DATE: 02/07/2001
 PATENT APPLICATION: US/09/766,535 TIME: 16:04:32

Input Set : A:\0975.1005-010SEQLIST.txt
 Output Set: N:\CRF3\02072001\I766535.raw

192 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 193 1 5 10 15
 194 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
 195 20 25 30
 196 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
 197 35 40 45
 198 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
 199 50 55 60
 200 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
 201 65 70 75 80
 202 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
 203 85 90 95
 204 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
 205 100 105 110
 206 Gly Thr Thr Leu Thr Val Ser
 207 115
 210 <210> SEQ ID NO: 6
 211 <211> LENGTH: 8
 212 <212> TYPE: PRT
 213 <213> ORGANISM: Protein
 215 <400> SEQUENCE: 6
 216 Gly Thr Leu Val Thr Val Ser Ser
 217 1 5
 220 <210> SEQ ID NO: 7
 221 <211> LENGTH: 7
 222 <212> TYPE: PRT
 223 <213> ORGANISM: Protein
 225 <400> SEQUENCE: 7
 226 Gly Thr Lys Leu Glu Ile Lys
 227 1 5
 230 <210> SEQ ID NO: 8
 231 <211> LENGTH: 20
 232 <212> TYPE: DNA
 233 <213> ORGANISM: CDNA
 235 <400> SEQUENCE: 8
 236 cctggataacc tgtgaaaaga 20
 238 <210> SEQ ID NO: 9
 239 <211> LENGTH: 27
 240 <212> TYPE: DNA
 241 <213> ORGANISM: CDNA
 243 <400> SEQUENCE: 9
 244 cctggatcc tagtcaccgt ctccctca 27
 246 <210> SEQ ID NO: 10
 247 <211> LENGTH: 27
 248 <212> TYPE: DNA
 249 <213> ORGANISM: cDNA
 251 <400> SEQUENCE: 10
 252 aatagatatac tccttcaaca cctgcaa 27
 254 <210> SEQ ID NO: 11

See page 1

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/766,535

DATE: 02/07/2001
TIME: 16:04:32

Input Set : A:\0975.1005-010SEQLIST.txt
Output Set: N:\CRF3\02072001\I766535.raw

255 <211> LENGTH: 21	
256 <212> TYPE: DNA	
257 <213> ORGANISM: cDNA	
259 <400> SEQUENCE: 11	
260 atcgggacaa agttggaaat a	21
262 <210> SEQ ID NO: 12	
263 <211> LENGTH: 16	
264 <212> TYPE: DNA	
265 <213> ORGANISM: cDNA	
267 <400> SEQUENCE: 12	
268 ggcggctctgg taccgg	16
270 <210> SEQ ID NO: 13	
271 <211> LENGTH: 19	
272 <212> TYPE: DNA	
273 <213> ORGANISM: cDNA	
275 <400> SEQUENCE: 13	
276 gtcaacaaca tagtcatca	19
278 <210> SEQ ID NO: 14	
279 <211> LENGTH: 23	
280 <212> TYPE: DNA	
281 <213> ORGANISM: cDNA	
283 <400> SEQUENCE: 14	
284 cacaggtgtg tccccaaagga aaa	23
286 <210> SEQ ID NO: 15	
287 <211> LENGTH: 18	
288 <212> TYPE: DNA	
289 <213> ORGANISM: cDNA	
291 <400> SEQUENCE: 15	
292 aatctgggggt aggcacaa	18
294 <210> SEQ ID NO: 16	
295 <211> LENGTH: 17	
296 <212> TYPE: DNA	
297 <213> ORGANISM: cDNA	
299 <400> SEQUENCE: 16	
300 agtgtgtgtc cccaaagg	17
302 <210> SEQ ID NO: 17	
303 <211> LENGTH: 24	
304 <212> TYPE: DNA	
305 <213> ORGANISM: cDNA	
307 <400> SEQUENCE: 17	
308 cacagctgcc cgccccaggta gcat	24
310 <210> SEQ ID NO: 18	
311 <211> LENGTH: 17	
312 <212> TYPE: DNA	
313 <213> ORGANISM: cDNA	
315 <400> SEQUENCE: 18	
316 gtcgccagtg ctccctt	17
318 <210> SEQ ID NO: 19	
319 <211> LENGTH: 20	

see page 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/766,535

DATE: 02/07/2001

TIME: 16:04:33

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\02072001\I766535.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:89 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:2, CDS LOCATION: (0)...(321)

L:150 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:4, CDS LOCATION: (0)...(357)

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/766,535

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.

4 Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.

7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence.

8 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11 Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.

12 Use of <220>Feature (NEW RULES) Sequence(s) All are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.